

## A B S T R A C T

A SYSTEM FOR PURGING SULFATE FROM A NOx TRAP FOR A MOTOR  
VEHICLE ENGINE

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This system in which the NOx trap (1) is associated  
with catalyst-forming means (2) integrated in an exhaust  
line (3) of a vehicle engine (4), and in which the engine  
is associated with common manifold or "rail" fuel feeder  
10 means (7, 8) for feeding it with fuel and adapted, by  
modifying control parameters for the operation of the  
engine, to cause the engine to switch between lean  
mixture operation (9) and rich mixture (10), is  
characterized in that the fuel feeder means (7, 8) are  
15 adapted to define three strategies (11, 12, 13) for  
controlling lean mixture operation of the engine (9), and  
in that the fuel feeder means (7, 8) are adapted to cause  
the engine to switch between its various strategies in  
order to keep the trap (1) in a temperature window of  
20 maximum effectiveness.

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35 Translation of the title and the abstract as published by the PCT Authorities,  
possibly after making changes, ex officio, e.g. under PCT Rules 37.2, 38.2, and/or  
48.3.